

**Derlin-3 / DERL3 Antibody (N-Terminus)**  
**Rabbit Polyclonal Antibody**  
**Catalog # ALS11953****Specification****Derlin-3 / DERL3 Antibody (N-Terminus) - Product Information**

Application	<b>IHC</b>
Primary Accession	<a href="#">Q96Q80</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Calculated MW	<b>27kDa KDa</b>

**Derlin-3 / DERL3 Antibody (N-Terminus) - Additional Information****Gene ID** 91319**Other Names**

Derlin-3, Degradation in endoplasmic reticulum protein 3, DERtrin-3, Der1-like protein 3, DERL3, C22orf14, DER3, LLN2

**Target/Specificity**

synthetic peptide corresponding to N-terminal residues of human DERL3 (Derlin-3)

**Reconstitution & Storage**

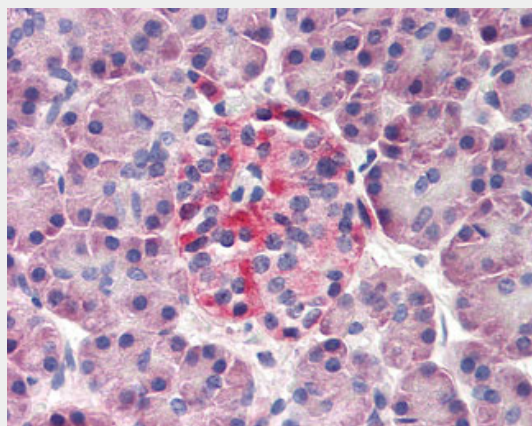
+4°C or -20°C, Avoid repeated freezing and thawing.

**Precautions**

Derlin-3 / DERL3 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**Derlin-3 / DERL3 Antibody (N-Terminus) - Protein Information****Name** DERL3 ([HGNC:14236](#))**Function**

Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal glycoproteins, but not that of misfolded nonglycoproteins. May act by forming a channel that allows the retrotranslocation of misfolded



Anti-DERL3 antibody IHC of human pancreas.

**Derlin-3 / DERL3 Antibody (N-Terminus) - Background**

Functional component of endoplasmic reticulum-associated degradation (ERAD) for misfolded luminal glycoproteins, but not that of misfolded nonglycoproteins. May act by forming a channel that allows the retrotranslocation of misfolded glycoproteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and the degradation substrate.

**Derlin-3 / DERL3 Antibody (N-Terminus) - References**Shimizu N., et al. Submitted (SEP-2000) to the EMBL/GenBank/DDBJ databases.  
Ota T., et al. Nat. Genet. 36:40-45(2004).  
Collins J.E., et al. Genome Biol. 5:R84.1-R84.11(2004).  
Dunham I., et al. Nature 402:489-495(1999).  
Oda Y., et al. J. Cell Biol. 172:383-393(2006).

glycoproteins into the cytosol where they are ubiquitinated and degraded by the proteasome. May mediate the interaction between VCP and the misfolded glycoproteins (PubMed: [16449189](http://www.uniprot.org/citations/16449189)), PubMed: [22607976](http://www.uniprot.org/citations/22607976)). May be involved in endoplasmic reticulum stress-induced pre-emptive quality control, a mechanism that selectively attenuates the translocation of newly synthesized proteins into the endoplasmic reticulum and reroutes them to the cytosol for proteasomal degradation (PubMed: [26565908](http://www.uniprot.org/citations/26565908)).

**Cellular Location**

Endoplasmic reticulum membrane;  
Multi-pass membrane protein

**Tissue Location**

Unlike DERL1 and DERL2, restricted to several tissues. Expressed at high levels in placenta, pancreas, spleen and small intestine.

**Derlin-3 / DERL3 Antibody (N-Terminus) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)